

Datasheet for ABIN7274974

**IL-8 Protein (AA 28-99) (His tag)****3** Images[Go to Product page](#)

## Overview

Quantity:	100 µg
Target:	IL-8 (IL8)
Protein Characteristics:	AA 28-99
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL-8 protein is labelled with His tag.

## Product Details

Purpose:	Human IL-8/CXCL8 Protein
Sequence:	Ser28-Ser99
Characteristics:	Recombinant Human IL-8/CXCL8 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Ser28-Ser99.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Human IL-8, His Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Anti-IL-8 Antibody, hFc Tag with the EC <sub>50</sub> of 13.6ng/ml determined by ELISA. See testing image for detail.

## Target Details

Target:	IL-8 (IL8)
Alternative Name:	IL-8 ( <a href="#">IL8 Products</a> )
Background:	Interleukin-8 (IL-8) has been revealed as a critical regulator of CNS function and development with participation in many CNS disorders including gliomas. Several promising approaches that target directly or indirectly IL-8 effects in gliomas are currently in progress while more-in-depth studies are needed to validate its biomarker role and elucidate the underlying molecular mechanisms.
Molecular Weight:	9.5 kDa. Due to glycosylation, the protein migrates to 11-13 kDa based on Tris-Bis PAGE result.
Pathways:	<a href="#">TLR Signaling</a> , <a href="#">Cellular Response to Molecule of Bacterial Origin</a> , <a href="#">Regulation of G-Protein Coupled Receptor Protein Signaling</a> , <a href="#">ER-Nucleus Signaling</a> , <a href="#">Hepatitis C</a> , <a href="#">Autophagy</a>

## Application Details

Restrictions:	For Research Use only
---------------	-----------------------

## Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS ( pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,-2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months

Size-exclusion chromatography-High Pressure Liquid Chromatography

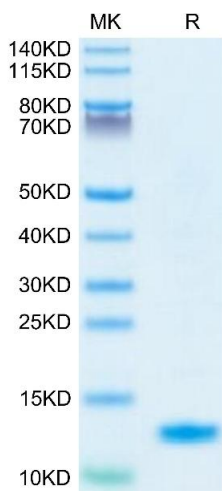
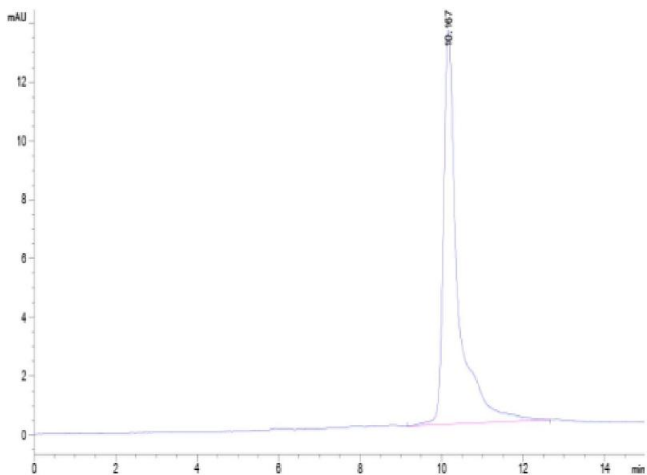
**Image 1.** The purity of Human IL-8 is greater than 95 % as determined by SEC-HPLC.

SDS-PAGE

**Image 2.** Human IL-8 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

ELISA

**Image 3.** Immobilized Human IL-8, His Tag at 0.5 µg/mL (100 µL/well) on the plate. Dose response curve for Anti-IL-8 Antibody, hFc Tag with the EC50 of 13.6 ng/mL determined by ELISA.



**Human IL-8, His Tag ELISA**  
0.05µg Human IL-8, His Tag Per Well

